

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions, and listings, of claims in this application.

Claim 1 (Currently Amended): A process for producing a ubiqinone-10-containing solution, which comprises the following steps:

- [1] adding a methanol solution to a culture obtained by culturing a microorganism having an ability to produce ubiqinone-10 in a medium[,.] or a processed product of the culture, ~~and~~ or a partially purified product of ubiqinone-10 selected from the group consisting of ubiqinone-10-containing dried products, freeze dried products and crystallized products, to a final concentration of 50 to 100 v/v% and then retaining the resulting mixture at a temperature selected from the range of 0°C to 30°C;
- [2] separating and recovering an insoluble matter from the resulting mixture obtained at the step [1];
- [3] adding a methanol solution of a concentration of 85 to 100 v/v% to the insoluble matter obtained in the step [2] and retaining the resulting mixture at a temperature selected from the range of 30°C to 80°C, not including 30°C;
- [4] removing an insoluble matter from the resulting mixture obtained in the step [3]; and
- [5] recovering the methanol solution containing ubiqinone-10.

Claim 2 (Previously Presented): The process according to claim 1, wherein, following step [2] and before the subsequent step [3], the steps of adding a methanol solution to recovered

insoluble matter to a final concentration of 50 to 100 v/v%, retaining a resulting mixture at a temperature selected from the range of 0°C to 30°C, and subsequently separating and recovering an insoluble matter are repeated once or more times.

Claim 3 (Previously Presented): The process according to claim 1, wherein the microorganism having an ability to produce ubiqinone-10 is selected from basidiomycetes, fungi, yeast and bacteria.

Claim 4 (Previously Presented): The process according to claim 1, wherein the processed product of the culture is a concentrate of the culture of the microorganism, a dried product of the culture, a bacterial cell obtained by separation from the culture, a dried product of the bacterial cell, a freeze-dried product of the bacterial cell, a rinsed bacterial cell obtained by rinsing the bacterial cell, a dried product of the rinsed bacterial cell or a freeze-dried product of the rinsed bacterial cell.

Claim 5 (Previously Presented): A process for producing a crystal of ubiqinone-10, which comprises:

concentrating or cooling the ubiqinone-10-containing solution obtained by the process according to claim 1 to crystallize ubiqinone-10; and

recovering the crystal of ubiqinone-10 from the solution.

Claim 6 (Original): The process according to claim 5, wherein the crystal of ubiqinone-10 is a crystal having a purity of 90.0% or more.